

## Patent Abstracts of Japan

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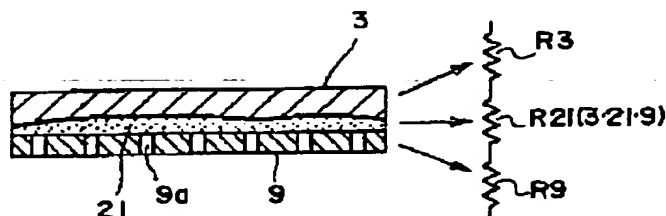
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TITLE : FUSED CARBONATE TYPE FUEL CELL



**ABSTRACT :** PROBLEM TO BE SOLVED: To realize high performance of a fuel cell by reducing a contact resistance between a cathode electrode made of oxide with a high specific resistance, large rigidity and poor accuracy in dimensions and a current collector plate made of metal, in a fused carbonate type fuel cell.

**SOLUTION:** In a fused carbonate type fuel cell, in which an anode electrode made of metal (Ni) and a current collector plate are arranged on the one side, and a cathode electrode 3 made of metal oxide (NiO) and another electrode plate 9 made of metal are arranged sequentially on the other side, a layer of Ni powder 2 is provided as a metal-filling layer between the cathode electrode 3 and the current collector plate 9, so that a contact area is increased. Also, the cathode electrode 3 is adhered to the current collector plate by Ni wax instead, or a thin Ni film layer may be formed on the electrode 3.

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